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Introduction to the Consortium for Monitoring, Technology, and Title:

Verification (MTV)

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Presentation to the Nuclear Data Working Group Intended for:

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Introduction to the Consortium for Monitoring, Technology, and Verification (MTV)

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Mission

- Develop new technologies that detect and deter nuclear proliferation activities
- Train the next generation of nuclear professionals



Participating Universities and Laboratories











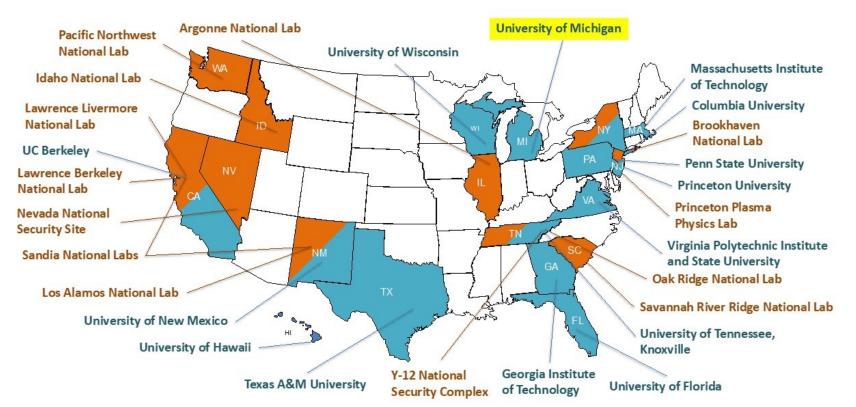


























Technical Thrust Areas

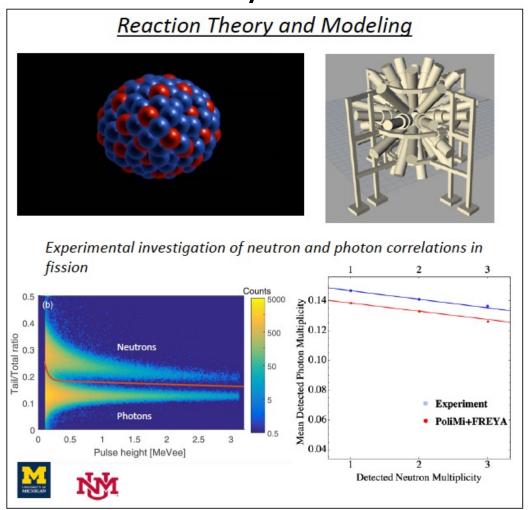
- 1. Fundamentals of nuclear and particle physics
- 2. Signals and source terms for nuclear nonproliferation
- 3. Nuclear explosion

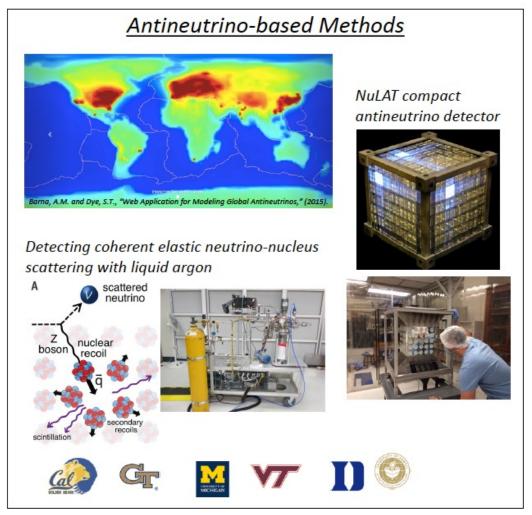
Cross cutting areas

- 1. Modeling and simulation
- 2. Nuclear policy
- 3. Education and outreach



Thrust Area 1: Fundamentals of Nuclear and Particle Physics

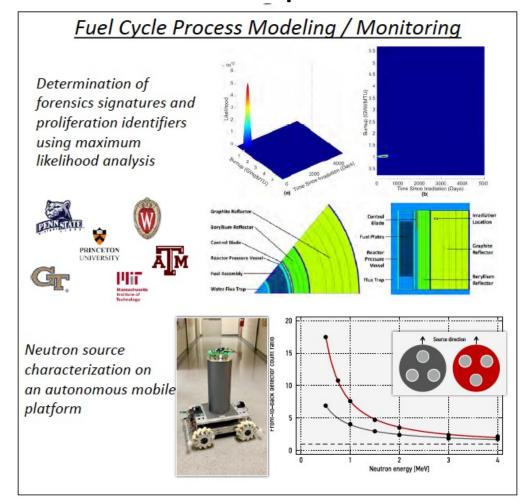


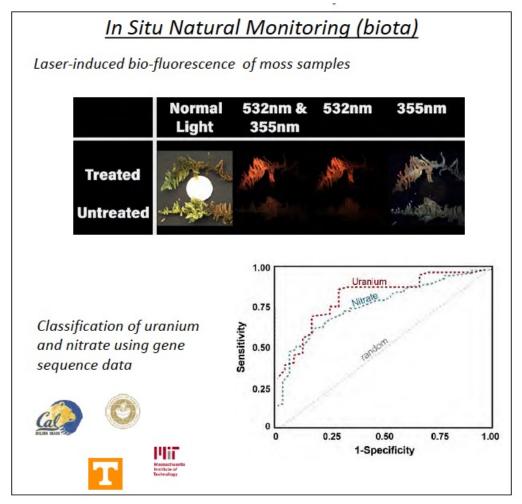






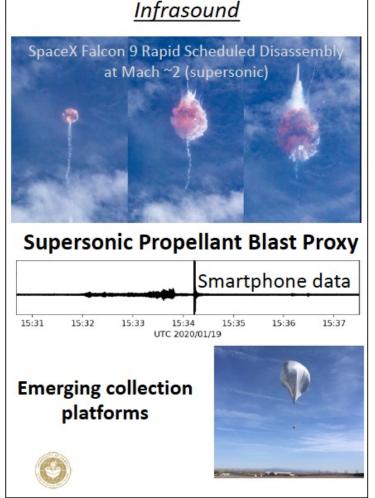
Thrust Area 2: Signals and Source Terms for Nuclear Nonproliferation

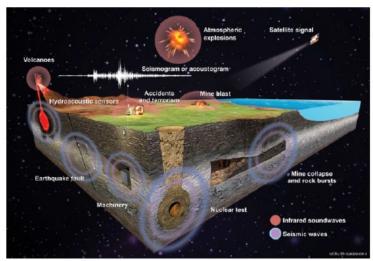


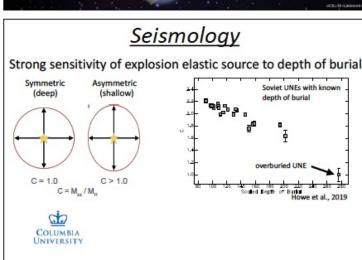


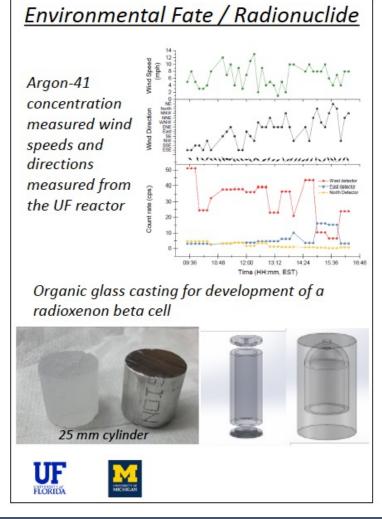


Thrust Area 3: Nuclear Explosion Monitoring













Opportunities

- Collaborations with university faculty
- Pipeline for possible students, post-docs
- Posting job ads
- MTV hosts various workshops, symposiums

Interested? Contact <u>ecasleton@lanl.gov</u>

